

ABSTRACT

A pressure loaded pilot valve system and method for a regulator valve is provided. The system includes a regulator valve connecting an inlet line to an outlet line, a servo control valve assembly, and a pilot valve assembly. A supply line is connected to the servo control valve, and a pilot loading pressure line connects the servo control valve to the pilot valve assembly. An exhaust line connects the servo control valve to the outlet line, thereby avoiding waste, pollution, etc. associated with bleeding excess pilot pressure to the atmosphere.